

# Programmable Timer

TC-9696 , TC-7272, TC-4848



YOUR PARTNER IN AUTOMATION

## Application

- Injection / Blow Moulding Machinery
- Drugs & Pharmaceuticals Machinery
- Extrusion Machinery
- Packaging Machinery
- Ovens & Incubators
- Furnace & Boiler
- Food Industries



## Specification

| Model                | TC-9696                                        | TC-7272      | TC-9648      | TC-4848      |
|----------------------|------------------------------------------------|--------------|--------------|--------------|
| Dimension (HxWxD)mm  | 96 x 96 x 110                                  | 72 x 72 x 50 | 96 x 48 x 92 | 48 x 48 x 92 |
| Panel Cutout (mm)    | 94 x 94                                        | 70 x 70      | 94 x 46      | 46 x 46      |
| Input<br>Start Pulse | NPN / PNP Proximity, Micro Switch / Auto Start |              |              |              |
| Input Range          | 99.59 / 999.9 / 9999                           |              |              |              |
| Hour                 |                                                |              |              |              |
| Min.                 | 99.59 / 999.9 / 9999                           |              |              |              |
| Sec.                 | 9.999 / 999.9 / 9999                           |              |              |              |
| Output               | 1 Relay x C/O, 5A, 230 V AC For Resistive Load |              |              |              |
| Operating Mode       | Cycle On<br>Cycle Off<br>Delay On<br>Delay Off |              |              |              |
| Power Supply         | 100-270 V AC 50-60 Hz, Approx 4VA              |              |              |              |

# Technical Specification

## Input

|             |      |                                       |
|-------------|------|---------------------------------------|
| Start Pulse |      | ► NPN/PNP Proximity<br>► Micro Switch |
| TimeRange   | Sec  | 9.999/ 999.9/ 9999                    |
|             | Min  | 99.59/ 999.9/ 9999                    |
|             | Hour | 99.59/ 999.9/ 9999                    |
| Accuracy    |      | ± 1% of FSD                           |

## Output

|                      |                                        |
|----------------------|----------------------------------------|
| Relay Control Output |                                        |
| Relay                | 1Relay, 2C/O                           |
| Rating               | 5A @230V AC / 28V DC<br>Resistive Load |

## Operating Mode

|                    |                                                  |
|--------------------|--------------------------------------------------|
| Operating Mode     | Cyclic ON<br>Cyclic OFF<br>Delay ON<br>Delay OFF |
| Counting Direction | UP/ Down                                         |
| Reset Option       | Front Panel Reset<br>Terminal Reset              |

## Display

|                | TC-9696, TC-7272                                    | TC-9648,TC-4848                                           |
|----------------|-----------------------------------------------------|-----------------------------------------------------------|
| Process Value  | UPPER:- 4 Digit<br>7 seg 0.70",RED<br>LED Display   | UPPER:- 4 Digit<br>7 seg 0.56",WHITE<br>/ RED LED Display |
| Set Value      | LOWER:- 4 Digit<br>7 seg 0.50",GREEN<br>LED Display | LOWER:- 4 Digit<br>7 seg 0.33",GREEN<br>LED Display       |
| LED Indication | Relay                                               |                                                           |

## Power Supply

|             |                          |
|-------------|--------------------------|
| Standard    | 100 - 270V AC @ 50/60 Hz |
| Optional    | 24V DC                   |
| Consumption | 4VA                      |

## Environmental

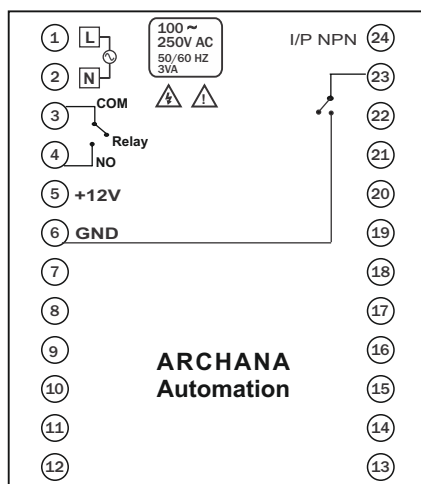
|                       |                       |
|-----------------------|-----------------------|
| Operating Temperature | 0 to 55 °C            |
| Storage Temperature   | 0 to 70 °C            |
| Humidity              | 95% RH Non-condensing |
| Protection            | IP 65 ( Front Side )  |

## Keys

4 keys for configuration and operation like  
SET/ENT, SHIFT, UP, RESET

## Connection Diagram

72x72 Prog.Timer Back Terminal



48x48 Prog.Timer Back Terminal

